
Sequence Listing was accepted.

If you need help call the Patent Electronic Business Center at (866) 217-9197 (toll free).

Reviewer: Durreshwar Anjum

Timestamp: [year=2009; month=11; day=10; hr=11; min=57; sec=2; ms=344;]

Validated By CRFValidator v 1.0.3

Application No: 10597914 Version No: 2.0

Input Set:

Output Set:

Started: 2009-11-09 14:23:43.802

Finished: 2009-11-09 14:23:51.526

Elapsed: 0 hr(s) 0 min(s) 7 sec(s) 724 ms

Total Warnings: 111

Total Errors: 0

No. of SeqIDs Defined: 111

Actual SeqID Count: 111

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W	402	Undefined	organism	found	in	<213>	in	SEQ	ID	(3)		
W	402	Undefined	organism	found	in	<213>	in	SEQ	ID	(4)		
W	402	Undefined	organism	found	in	<213>	in	SEQ	ID	(5)		
W	402	Undefined	organism	found	in	<213>	in	SEQ	ID	(6)		
W	402	Undefined	organism	found	in	<213>	in	SEQ	ID	(7)		
W	402	Undefined	organism	found	in	<213>	in	SEQ	ID	(8)		
W	402	Undefined	organism	found	in	<213>	in	SEQ	ID	(9)		
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W	402	Undefined	organism	found	in	<213>	in	SEQ	ID	(13)		
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W	402	Undefined	organism	found	in	<213>	in	SEQ	ID	(15)		
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W	402	Undefined	organism	found	in	<213>	in	SEQ	ID	(18)		
W	402	Undefined	organism	found	in	<213>	in	SEQ	ID	(19)		
W	402	Undefined	organism	found	in	<213>	in	SEQ	ID	(20)		

Input Set:

Output Set:

Started: 2009-11-09 14:23:43.802 **Finished:** 2009-11-09 14:23:51.526

Elapsed: 0 hr(s) 0 min(s) 7 sec(s) 724 ms

Total Warnings: 111

Total Errors: 0

No. of SeqIDs Defined: 111

Actual SeqID Count: 111

Error code **Error Description** This error has occured more than 20 times, will not be displayed 213 Artificial or Unknown found in <213> in SEQ ID (51) 213 Artificial or Unknown found in <213> in SEQ ID (52) W 213 Artificial or Unknown found in <213> in SEQ ID (53) W Artificial or Unknown found in <213> in SEQ ID (54) W 213 213 Artificial or Unknown found in <213> in SEQ ID (55) W 213 Artificial or Unknown found in <213> W in SEQ ID (56) W 213 Artificial or Unknown found in <213> in SEQ ID (57) 213 W Artificial or Unknown found in <213> in SEQ ID (59) 213 Artificial or Unknown found in <213> W in SEQ ID (60) Artificial or Unknown found in <213> in SEQ ID (61) W 213 W 213 Artificial or Unknown found in <213> in SEQ ID (62) W 213 Artificial or Unknown found in <213> in SEQ ID (63) Artificial or Unknown found in <213> in SEQ ID (64) W 213 Artificial or Unknown found in <213> in SEQ ID (65) W 213 213 Artificial or Unknown found in <213> W in SEQ ID (67) Artificial or Unknown found in <213> in SEQ ID (68) W 213 Artificial or Unknown found in <213> in SEQ ID (69) W 213 213 Artificial or Unknown found in <213> W in SEQ ID (70) W 213 Artificial or Unknown found in <213> in SEQ ID (71) W 213 Artificial or Unknown found in <213> in SEQ ID (72) This error has occured more than 20 times, will not be displayed

SEQUENCE LISTING

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_		tgc Cys				-	_	_		_								96
		tca Ser 35		_			_				_	_			_		1	44
Ser	_	act Thr					_	_									1	92
	-	aca Thr								_					-		2	240

ata cct ttt aag gat ggt att tat ttt gct gcc aca gag aaa tca aat 288

Ile	Pro	Phe	Lys	Asp 85	Gly	Ile	Tyr	Phe	Ala 90	Ala	Thr	Glu	Lys	Ser 95	Asn	
=	_	_			_					atg Met			_		_	336
_										gtt Val	-		_	-	_	384
		-	_	-	-					gct Ala	-				-	432
2 2		_				_			_	aat Asn 155	_			_		480
					-	_		_		gat Asp	_		-	_		528
						_				ttt Phe				-		576
			_		_					ata Ile	_	-	-	_	_	624
							_			att Ile		_	_			672
							_	_		ctt Leu 235		-				720
_		_				_		_	-	gcc Ala			-			768
	_					_		_		gat Asp	-					816
	_	_	_	_	_					ctt Leu	_	-			_	864
	-	_	_				-			att Ile		_				912
		_	_				_	_		aga Arg						960

305 310 315 320

	ttg Leu	_					_			-						1	1008
_	tat Tyr	_			_						_	_	_	_		1	1056
	gtg Val											_	-			1	104
_	tct Ser 370	_		_	_		_		_				_		_	1	1152
_	tct Ser		_	_	_		_	_	-	_						1	1200
	act Thr		_		_	_					_		_	_		1	1248
_	ggt Gly	_	_		-							-	-			1	1296
	ggt Gly										_			_		1	1344
	ccc Pro 450		, ,	_	_				, ,					_	2.2	1	1392
	cct Pro	_				-			-						-	1	L440
	ggt Gly													-	-	1	L488
_	gta Val				-				-	_	_	_	-	_		1	L536
	aaa Lys				-			_		_	_	_				1	L584
	aat Asn 530													_	_	1	1632

	caa Gln							_	-	-		-			_	1680
	gtt Val	_	_					_			_				_	1728
	ttt Phe			-	_	_							-			1776
-	gtt Val	-	-				-	-		-		-	-			1824
-	att Ile 610		_	-					-		_					1872
	aac Asn		-		_			-		-				-		1920
	gtc Val	-					_	-					-			1968
_	gct Ala	_				_				_	-		-			2016
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Cys tct Ser	Ala	Ser gtg Val 675	Tyr 660 gct Ala	His tat Tyr	Thr act Thr	Val atg Met	tct Ser 680	Leu 665 tta Leu cct	Leu ggt Gly	Arg gct Ala	Ser gat Asp	Thr agt Ser 685	Ser 670 tca Ser	Gln att Ile agc	Lys gct Ala att	
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tct ser tac Tyr act Thr 705	Ala att Ile tct Ser 690 aca	gtg Val 675 aat Asn gaa Glu	Tyr 660 gct Ala aac Asn gta Val	tat Tyr acc Thr atg Met	act Thr att Ile cct Pro 710	Val atg Met gct Ala 695 gtt Val gat	tct Ser 680 ata Ile tct Ser	Leu 665 tta Leu cct Pro atg Met	ggt Gly act Thr gct Ala	gct Ala aac Asn aaa Lys 715	gat Asp ttt Phe 700 acc Thr	agt ser 685 tca ser tcc ser	Ser 670 tca Ser att Ile gta Val	att Ile agc Ser gat Asp	gct Ala att Ile tgt Cys 720 ctc	2064
tct ser tac Tyr act Thr 705 aat Asn	Ala att Ile tct Ser 690 aca Thr	gtg Val 675 aat Asn gaa Glu tac Tyr	Tyr 660 gct Ala aac Asn gta Val atc Ile	tat Tyr acc Thr atg Met	act Thr att Ile cct Pro 710 gga Gly	atg Met gct Ala 695 gtt Val gat Asp	tct ser 680 ata Ile tct ser tct	Leu 665 tta Leu cct Pro atg Met act Thr	ggt Gly act Thr gct Ala gaa Glu 730 aat	gct Ala aac Asn aaa Lys 715 tgt Cys	gat Asp ttt Phe 700 acc Thr	agt ser 685 tca ser tcc ser aat Asn	Ser 670 tca Ser att Ile gta Val ttg Leu tca	att Ile agc Ser gat Asp ctt Leu 735	gct Ala att Ile tgt Cys 720 ctc Leu att	2064 2112 2160

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					gac Asp 790			_			_					240	0
	-	_			aat Asn	_				-	-	-			-	244	:8
					tgc Cys											249	16
_		_	-		aat Asn					_			_			254	: 4
_	_	_		_	gcc Ala			_	_		_	_			_	259	12
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_	_		_	-	tat Tyr							-				268	8
_					caa Gln				-					_		273	16
	-				gaa Glu								-	_		278	4
_	_		_	-	gtt Val		_		-		-					283	12
-				-	tct Ser 950				-			-				288	0
_			_	-	ctt Leu	-		-				-			_	292	:8
					aga Arg			-					-			297	'6
caa	cta	atc	agg	gct	gct	gaa	atc	ago	g gct	t tct	gct	aat	z ct	t go	ct gct	302	· 4

Gln Leu Ile Arg Ala Ala Glu Ile Arg Ala Ser Ala Asn Leu Ala Ala 995 1000 1005

	_			_	_						_	-	-		3069
_		_					_					-	-		3114
		-	-				_	_					_		3159
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			_												3294
-				-				_	-	-	-				3339
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		-				-			-	_					3564
	tgt Cys 1025 cat His 1040 agg Arg 1055 tac Tyr 1070 ttt Phe 1085 gac Asp 1100 att Ile 1115 ttc Phe 1130 gat Asp 1145 aac Asn 1160 ttal Leu	Lys Met and	Lys and Ser an	Lys and lot ser Glu and get Gly lots and lots an	Lys 1010Met Ser Ser Ser Glu Lys Gly Tyr Gly Tyr Tyr Tyr Tyr Tyr Tyr Gly Yal Y	Lys 1010Met Ser S	Lys 1010Met Ser S	Lys 1010 Met Ser <b< td=""><td>Lys 1010 Met Ser Ser Glu Cys Val 1015 Leu Gly Gly tgt Cys 1025 gga Gly Lys ggc Gly Lys ggc Gly Val tac Yal Val Val Val Cys Thr cac His His His His His His His His His His His His His His Val His<br <="" td=""/><td>Lys 1010 Met Ser Glu Cys Val 1015 Leu Gly Gln Ser tgt Cys 1025 gga Gly Lys aag Gly Lys ttc Gly Cys Tys Tys The The The 1040 cac Cac Cac His 1045 cat Cat Cac His His 1045 cat Gly Cac His Cac<br< td=""><td>Lys 1010 Met Ret Ser Ser Sun Glu Cys 1020 Val 1015 Leu Gly Gln Ser 1020 Lys 1035 tgt Cys 1025 gga Gly aag Yal ggc Yal ttc Yal cac Yal cac Yal ctc Yal ctc Yal<!--</td--><td>Lys 1010 Met Ser Ser Glu Glu Cys 1025 Val 1015 Leu Gly Gly Lys 1025 Arg Pro 1035 Cac Cal Cys 1030 Cheu Met Met Ser Phe Pro 1035 Leu Arg Pro 1035 Leu Met Met Ser Phe Phe Pro 1035 Cac Pro Pro 1035 Cac Pro Pro 1035 Cac Pro Pro 1035 Cac Pro Pro Pro 1035 Cac Pro Pro Pro 1035 Cac Pro</td><td>Lys (1010) Met (1010) Ser (Glu) (Cys) (Val) (1015) Leu (Gly) (Gl</td><td>Lys 1010 Met Ser Glu Cys Val 1015 Leu Glu Ser Lys Arg Val Asp tgt Cys 1025 gga Gly aag Gly tac Tyr cac His 1030 ctt Leu det Met tec Leu ctc His Val the Tyr cea His Val the Tyr the Phe Phe Phe Pro cac Glu cac Glu cac His Val the Tyr the Tyr cac His Val the Tyr the Tyr cac His Tyr the Val the Tyr cac Pro Ala the Tyr cac His Tyr the Val Tyr the Tyr cac His Val Tyr cac His Tyr the Val Tyr the Val Tyr cac Pro Tyr dea Ash Tyr dea Tyr dea</td><td>Lys Met Ser Glu Cys Val 1015</td></td></br<></br></td></td></b<>	Lys 1010 Met Ser Ser Glu Cys Val 1015 Leu Gly Gly tgt Cys 1025 gga Gly Lys ggc Gly Lys ggc Gly Val tac Yal Val Val Val Cys Thr cac His His His His His His His His His His His His His His Val His <td>Lys 1010 Met Ser Glu Cys Val 1015 Leu Gly Gln Ser tgt Cys 1025 gga Gly Lys aag Gly Lys ttc Gly Cys Tys Tys The The The 1040 cac Cac Cac His 1045 cat Cat Cac His His 1045 cat Gly Cac His Cac<br< td=""><td>Lys 1010 Met Ret Ser Ser Sun Glu Cys 1020 Val 1015 Leu Gly Gln Ser 1020 Lys 1035 tgt Cys 1025 gga Gly aag Yal ggc Yal ttc Yal cac Yal cac Yal ctc Yal ctc Yal<!--</td--><td>Lys 1010 Met Ser Ser Glu Glu Cys 1025 Val 1015 Leu Gly Gly Lys 1025 Arg Pro 1035 Cac Cal Cys 1030 Cheu Met Met Ser Phe Pro 1035 Leu Arg Pro 1035 Leu Met Met Ser Phe Phe Pro 1035 Cac Pro Pro 1035 Cac Pro Pro 1035 Cac Pro Pro 1035 Cac Pro Pro Pro 1035 Cac Pro Pro Pro 1035 Cac Pro</td><td>Lys (1010) Met (1010) Ser (Glu) (Cys) (Val) (1015) Leu (Gly) (Gl</td><td>Lys 1010 Met Ser Glu Cys Val 1015 Leu Glu Ser Lys Arg Val Asp tgt Cys 1025 gga Gly aag Gly tac Tyr cac His 1030 ctt Leu det Met tec Leu ctc His Val the Tyr cea His Val the Tyr the Phe Phe Phe Pro cac Glu cac Glu cac His Val the Tyr the Tyr cac His Val the Tyr the Tyr cac His Tyr the Val the Tyr cac Pro Ala the Tyr cac His Tyr the Val Tyr the Tyr cac His Val Tyr cac His Tyr the Val Tyr the Val Tyr cac Pro Tyr dea Ash Tyr dea Tyr dea</td><td>Lys Met Ser Glu Cys Val 1015</td></td></br<></br></td>	Lys 1010 Met Ser Glu Cys Val 1015 Leu Gly Gln Ser tgt Cys 	Lys 1010 Met Ret Ser Ser Sun Glu Cys 1020 Val 1015 Leu Gly Gln Ser 1020 Lys 1035 tgt Cys 1025 gga Gly aag Yal ggc Yal ttc Yal cac Yal cac Yal ctc Yal ctc Yal </td <td>Lys 1010 Met Ser Ser Glu Glu Cys 1025 Val 1015 Leu Gly Gly Lys 1025 Arg Pro 1035 Cac Cal Cys 1030 Cheu Met Met Ser Phe Pro 1035 Leu Arg Pro 1035 Leu Met Met Ser Phe Phe Pro 1035 Cac Pro Pro 1035 Cac Pro Pro 1035 Cac Pro Pro 1035 Cac Pro Pro Pro 1035 Cac Pro Pro Pro 1035 Cac Pro</td> <td>Lys (1010) Met (1010) Ser (Glu) (Cys) (Val) (1015) Leu (Gly) (Gl</td> <td>Lys 1010 Met Ser Glu Cys Val 1015 Leu Glu Ser Lys Arg Val Asp tgt Cys 1025 gga Gly aag Gly tac Tyr cac His 1030 ctt Leu det Met tec Leu ctc His Val the Tyr cea His Val the Tyr the Phe Phe Phe Pro cac Glu cac Glu cac His Val the Tyr the Tyr cac His Val the Tyr the Tyr cac His Tyr the Val the Tyr cac Pro Ala the Tyr cac His Tyr the Val Tyr the Tyr cac His Val Tyr cac His Tyr the Val Tyr the Val Tyr cac Pro Tyr dea Ash Tyr dea Tyr dea</td> <td>Lys Met Ser Glu Cys Val 1015</td>	Lys 1010 Met Ser Ser Glu Glu Cys 1025 Val 1015 Leu Gly Gly Lys 1025 Arg Pro 1035 Cac Cal Cys 1030 Cheu Met Met Ser Phe Pro 1035 Leu Arg Pro 1035 Leu Met Met Ser Phe Phe Pro 1035 Cac Pro Pro 1035 Cac Pro Pro 1035 Cac Pro Pro 1035 Cac Pro Pro Pro 1035 Cac Pro Pro Pro 1035 Cac Pro	Lys (1010) Met (1010) Ser (Glu) (Cys) (Val) (1015) Leu (Gly) (Gl	Lys 1010 Met Ser Glu Cys Val 1015 Leu Glu Ser Lys Arg Val Asp tgt Cys 1025 gga Gly aag Gly tac Tyr cac His 1030 ctt Leu det Met tec Leu ctc His Val the Tyr cea His Val the Tyr the Phe Phe Phe Pro cac Glu cac Glu cac His Val the Tyr the Tyr cac His Val the Tyr the Tyr cac His Tyr the Val the Tyr cac Pro Ala the Tyr cac His Tyr the Val Tyr the Tyr cac His Val Tyr cac His Tyr the Val Tyr the Val Tyr cac Pro Tyr dea Ash Tyr dea Tyr dea	Lys Met Ser Glu Cys Val 1015

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